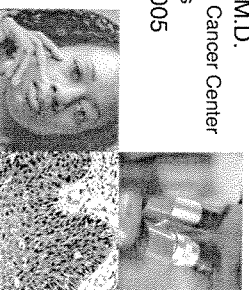


Emerging Issues in Cancer Control: The Cancer Center Perspective

Martin D. Abeloff, M.D.
Sidney Kimmel Comprehensive Cancer Center
at Johns Hopkins
November 16, 2005



Strategic Goals

- Increase interactions across basic science and clinical disciplines
- Increase breadth and depth of population sciences
- Improve accrual to investigator initiated, innovative therapeutic trials
- Reduce problems related to health disparities including minority accrual to therapeutic trials

Overarching goal is to provide advances in translational science to Baltimore, the region, country, and world.

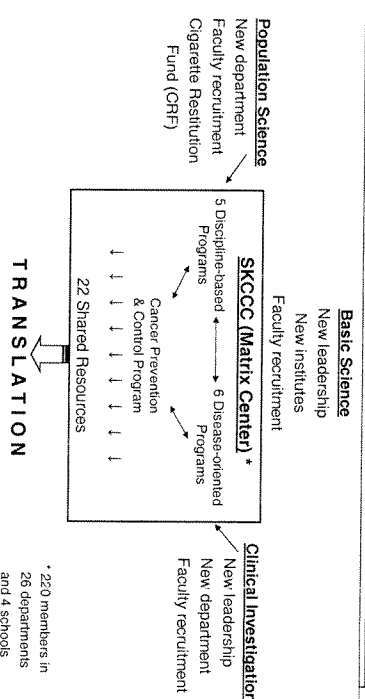


Vision for Research at SKCCC

- Build upon tradition of excellence in basic, clinical and population research at Johns Hopkins to maintain and enhance a robust translational research portfolio.
- Engage the community in translational and interventional research with an emphasis on underserved, minority populations.

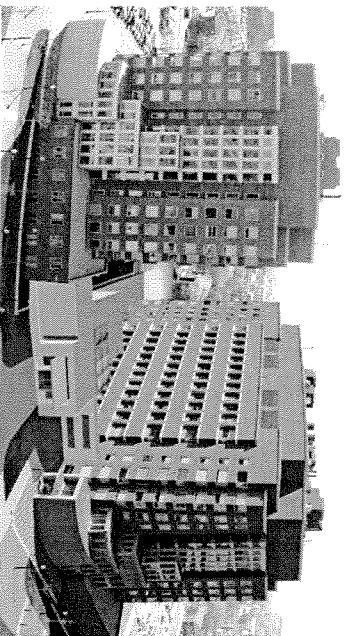


SKCCC – An Engine for Translation at Johns Hopkins University

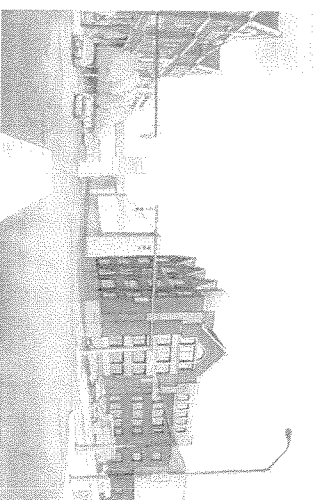




Bunting-Blaustein Building and Cancer Research Building II



New Facilities Hackerman-Patz Patient & Family Pavilion



Health Disparities Research

- Jean Ford, Associate Director for Community Programs and Research leads research efforts on health disparities including minority accrual to clinical trials.
- Cancer Center's Cigarette Restitution Fund research and service funding is largely directed toward problems related to health disparities.
- SKCCC has major commitment to statewide initiatives including Maryland Comprehensive Cancer Plan and State Cancer Council
- Three NIH-funded Johns Hopkins Centers of Excellence Grants for Health Disparities
- New initiatives in education, training, and faculty development
- Howard/Hopkins partnership (U54)



New SKCCC Screening Tools, Diagnostics, and Predictors in the Clinic

- HPV-16 screening for oral cancers (oral PAP smear)
- DNA stool test for colon cancer
- BRCA 2 screening for familial pancreatic cancer
- Hypermethylation of O⁶-MGMT in brain tumors



Preventive and Therapeutic Interventions in the Clinic

Chemopreventives

- Sulforaphane (broccoli sprouts) for breast, prostate, and lung

Therapeutics

- CEP-701 (Fli3 inhibitor) for AML
- Atrasentan (endothelin antagonist) for prostate cancer
- G-Vax vaccines for solid tumors and hematologic malignancies
- Histone deacetylase inhibitors and demethylators for myelodysplasia and AML
- Gliadel
- Gliastite

} Glioblastomas



Examples of Research Accomplishments

Discovery to Multiple Translations

